

**WHAT IS CLAIMED IS:**

1. A fan motor structure, comprising:

a fan base;

a bearing assembly mounted on the fan base;

5 a fan hub formed with an extrusion protruding from a top planar surface of the fan hub; and

a shaft fit into the bearing assembly and connected to the fan hub, the shaft having one end protruding from the top planar surface of the fan hub to form an extension portion enclosed by and in close connection with the extrusion of the fan hub.

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2. The fan motor structure according to claim 1, wherein the extrusion is formed in the central location of the fan hub.

3. The fan motor structure according to claim 1, wherein the extrusion is cup-shaped.

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4. The fan motor structure according to claim 1, wherein the bearing assembly includes a bearing and a bearing seat for accommodating and positioning the bearing.

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5. A fan motor structure, comprising:

a fan base;

a bearing assembly mounted on the fan base;

25 a fan hub formed with an extrusion protruding from an outer planar surface of the fan hub; and

a shaft fit into the bearing assembly and connected to the fan hub, the shaft having one end protruding from the bottom surface of the fan base, and the shaft having one part enclosed by the extrusion of the fan hub.

30 6. The fan motor structure according to claim 5, wherein the outer planar surface is a top planar surface of the fan hub.

7. The fan motor structure according to claim 5, wherein the outer planar surface is a bottom planar surface of the fan hub.

8. The fan motor structure according to claim 6, wherein the extrusion protrudes from a bottom planar surface of the fan hub.

5        9. The fan motor structure according to claim 5, wherein the extrusion is formed in the central location of the fan hub.

10       10. The fan motor structure according to claim 5, wherein the extrusion is cup-shaped.

10       11. The fan motor structure according to claim 5, wherein the bearing assembly includes a bearing and a bearing seat for accommodating and positioning the bearing.

15       12. A fan motor structure, comprising:

a fan base;

a bearing assembly mounted on the fan base;

a shaft fit into the bearing assembly;

a fan hub; and

20       a sleeve embedded between the shaft and the fan hub;

wherein the shaft has one end protruding from the bottom surface of the fan base or a top planer surface of the fan hub, and the shaft has one part enclosed by and in close connection with the sleeve.

25       13. The fan motor structure according to claim 12, wherein the sleeve is a copper sleeve.

30       14. The fan motor structure according to claim 12, wherein the bearing assembly includes a bearing and a bearing seat for accommodating and positioning the bearing.